

Brown and Caldwell

Carson City, Nevada

BORING LOG

Project Name: OU4 Phase 1 - Yerington Mine Evaporation Ponds

Project Number: 136742

Soil Boring: Monitoring Well: Piezometer:

Boring/Well Name: OU4-UEP-10

Sheet 1 of 2

Boring Location: OU4 Unlined Evaporation Ponds		Northing: 1552840.31	Easting: 324241.66
Drilling Contractor: WDC		Top of PVC Elevation: Ground Surface Elevation: 4352.51 feet amsl	
Drilling Equipment: Geoprobe		Date Started: 10-12-08	Date Finished: 10-12-08
Drilling Method: Direct-Push		Completed Depth: 25 ft bgs	Water Depth: 19 ft bgs
Sampling Method: Continuous Core		WELL CONSTRUCTION	
Driller: Rick Smedley		Type and Diameter of Well Casing: N/A	
Well Seal: N/A		Slot Size: N/A	Filter Material: Cement grout
Borehole Diameter: 2"			
Logged By: P. Bassett		Drilling Fluid: N/A	

Depth (ft)	Elevation (famsl)	USCS Group Symbol	Material Description	Sample Type I Name	Sample Type I Location	Sample Type II Name	Sample Type II Location	Lithology	Remarks
		ML	SILT (Pond Sediments) (0 - 2) Yellow, moist.						<p>Description of drilled cuttings based on ASTM Method D-2488 (the visual-manual procedure), grain-size determinations and nomenclature based on the Unified Soil Classification System.</p> <p>Horizontal Survey data is expressed in the Nevada State Plane system, Nevada West zone, in feet.</p> <p>Sharp contacts indicated by solid lines, gradational contacts indicated by dashed line.</p> <p>All depths are below land surface unless stated otherwise.</p> <p>Type 1 Samples are representative of geochemical and geotechnical soil samples as well as groundwater samples.</p> <p>Type 2 Samples are representative of meteoric water mobility soil samples.</p>
	4350	SM	Silty SAND (Native Soil) (2 - 5) Sample: <u>OU4-UEP-10A-SC</u> from 3-5 feet. Sample: <u>OU4-UEP-10A-MW</u> from 3-15 feet. Composite sample taken from 2 boring holes (step-outs).						
5		ML	SILT / sandy SILT (5 - 7) Firm.						
	4345	CH	Fat CLAY (7 - 9) Sample: <u>OU4-UEP-10A-SG</u> from 7-9 feet.						
		ML	SILT / sandy SILT (9 - 13) Sample: <u>OU4-UEP-10A-MW</u> from 9-15 feet. Composite sample from 2 boring holes (step-outs) approximately 6 inches apart.						
10	4340	SP	SAND (13 - 15) Fine-grained sand and poor- to moderately-graded.						

